

Governor's Advisory Commission on Intermodal Transportation

2023-2032 Draft Ten Year Plan Overview

Fall Public Hearings



Please Take Our Online Survey – NHDOT Planning Ahead 2032

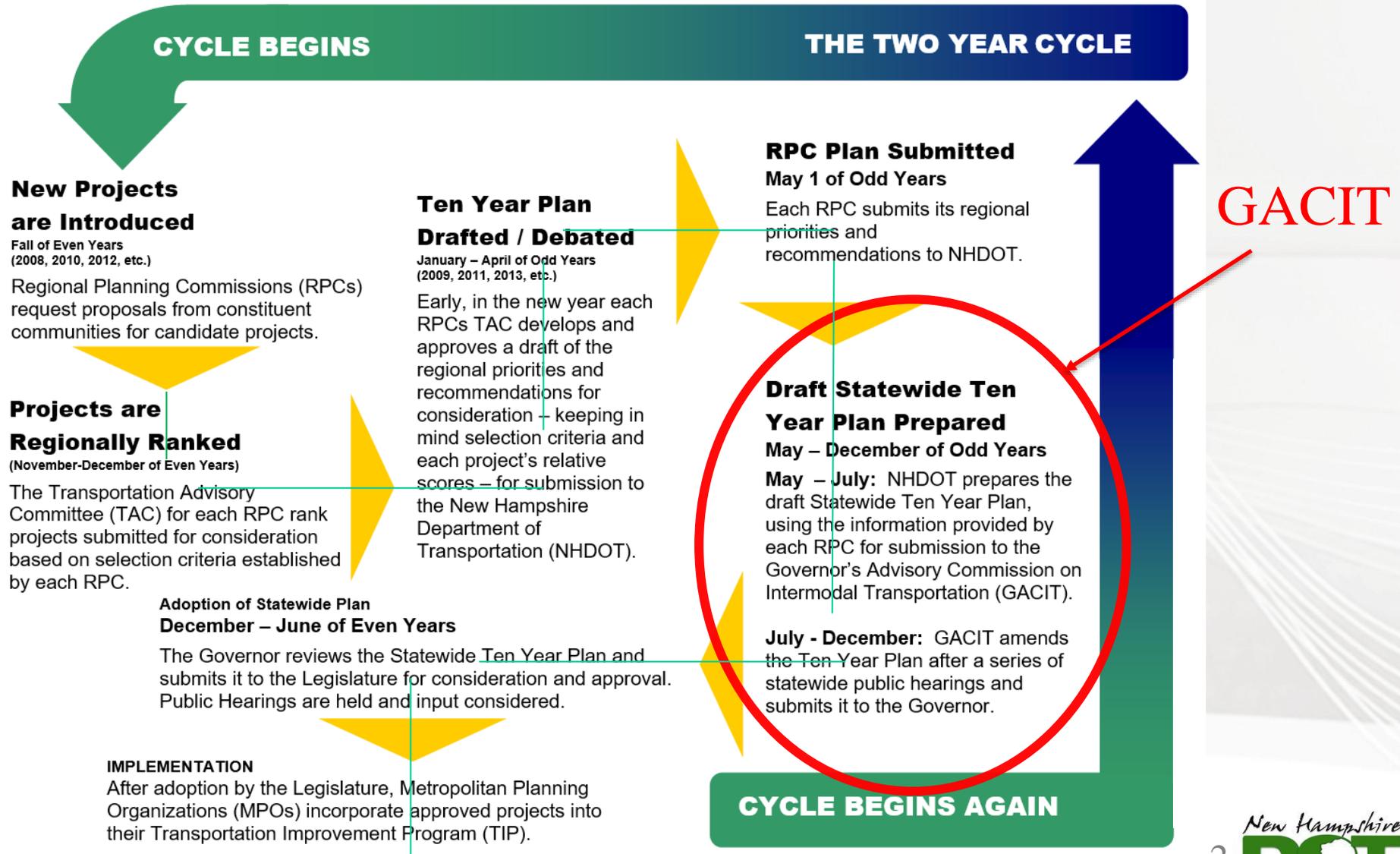
<https://metroquestsurvey.com/a8b5>

Ten Year Plan Website – NH Department of Transportation

<https://www.nh.gov/dot/org/projectdevelopment/planning/typ/index.htm>



Ten Year Plan Process



Presentation Outline

- High Level Funding Summary
- Funding Synopsis
- Review Strategies
- Review Program Funding Adjustments
- State of Infrastructure – Projected Outcomes
- RPC Priority Projects
- Book Information

High Level Funding Summary

Funding – State Impacts

- COVID - Current projections identify reductions to Turnpike, Betterment, and SB367 revenue.
 - Betterment – Reduced gas tax revenue
 - Reflected mostly in paving programs and SAB
 - Turnpike program – Reduced traffic and toll collection
 - Impacts 5 Capital projects - delays 2 - 4 years
- **Infrastructure Investment Jobs Act (IIJA)**
 - \$1.139B (FY22 - FY26) – \$228M/year (avg.) apportionment for NH
 - Similar to Senate EPW plan – assumed for fiscal constraint
 - \$242M Advance General Fund Appropriations for NH
 - \$45M/Year in additional funding for bridges
 - \$3.4M/Year EV Infrastructure Program
- **Other federal aid plans (CARES, CRRSA, & ARP)**
 - \$133M in COVID relief funds across all modes of transportation

Strategies

- **Focus on Maintenance & Preservation of the existing network of roads and bridges**
- **Continue to invest in core system programs and build on our successes in road and bridge conditions statewide**
- **Dedicate \$50M to RPC Priority Projects**
- **Federal Re-authorization (Assume additional funds)**
 - Accelerate existing TYP projects where possible
 - Fully fund existing TYP projects
 - Convert GARVEE bonded projects to federal aid funds
 - Modify existing programs to improve projected conditions in outer years by including inflationary adjustments
 - Consider new projects in outer years to improve safety & capacity
- **Continue to invest in other essential modes of transportation**
 - Transit, Rail, Airports, and Active Transportation

Funding Synopsis

**DRAFT 2023-2032 Ten Year Plan
Total Program Dollars by FY**

FY	Road and Bridge Mode									Other Modes				TYP FY Total	% of Total Program
	Highway Funded						Non-Highway Funded			Rail	Transit ⁹	Airport			
	FHWA ^{1,2,3}	Betterment ⁴	SB367		Other ⁵ Matching Funds	Sub Total	Turnpike Improvement	Turnpike R&R							
		SAB ^{5,6,7}	I-93 Debt Service	TIFIA Pledged Paving & Bridge											
2023	\$ 264.70	\$ 20.95	\$ 18.16	\$ 2.20	\$ 24.74	\$ 24.50	\$ 355.24	\$ 42.02	\$ 18.50	\$ 0.60	\$ 38.43	\$ 32.14	\$ 486.92	10.9%	
2024	\$ 253.05	\$ 20.60	\$ 8.50	\$ 2.20	\$ 20.64	\$ 2.27	\$ 307.26	\$ 49.01	\$ 14.00	\$ 0.60	\$ 34.76	\$ 35.70	\$ 441.34	9.9%	
2025	\$ 245.44	\$ 20.40	\$ 10.67	\$ 2.19	\$ 14.34	\$ 3.74	\$ 296.79	\$ 55.03	\$ 15.00	\$ 2.10	\$ 35.48	\$ 13.41	\$ 417.81	9.4%	
2026	\$ 244.87	\$ 20.15	\$ 6.09	\$ 23.41	\$ -	\$ 0.14	\$ 294.66	\$ 39.45	\$ 15.80	\$ 0.60	\$ 36.22	\$ 33.02	\$ 419.76	9.4%	
2027	\$ 245.15	\$ 19.98	\$ 5.74	\$ 23.41	\$ -	\$ 0.30	\$ 294.57	\$ 44.57	\$ 15.50	\$ 0.60	\$ 36.97	\$ 37.52	\$ 429.72	9.7%	
2028	\$ 241.52	\$ 19.78	\$ 5.39	\$ 23.41	\$ -	\$ 3.35	\$ 293.44	\$ 52.34	\$ 15.00	\$ 2.10	\$ 37.73	\$ 25.60	\$ 426.20	9.6%	
2029	\$ 242.13	\$ 19.58	\$ 5.04	\$ 23.41	\$ -	\$ 11.27	\$ 301.42	\$ 46.43	\$ 14.70	\$ 0.60	\$ 38.51	\$ 15.53	\$ 417.19	9.4%	
2030	\$ 243.70	\$ 19.38	\$ 4.74	\$ 23.41	\$ -	\$ 0.05	\$ 291.27	\$ 60.85	\$ 15.00	\$ 0.60	\$ 39.31	\$ 27.18	\$ 444.21	9.8%	
2031	\$ 242.28	\$ 19.23	\$ 4.43	\$ 23.41	\$ -	\$ 0.05	\$ 289.39	\$ 64.34	\$ 15.30	\$ 2.10	\$ 40.04	\$ 25.94	\$ 437.11	9.8%	
2032	\$ 242.38	\$ 19.05	\$ 4.13	\$ 23.41	\$ -	\$ 0.05	\$ 289.01	\$ 56.72	\$ 15.60	\$ 0.60	\$ 40.78	\$ 135.94	\$ 538.65	12.1%	
Program Total	\$ 2,465.21	\$ 199.08	\$ 72.89	\$ 170.42	\$ 59.72	\$ 45.71	\$ 3,013.04	\$ 510.75	\$ 154.40	\$ 10.50	\$ 378.23	\$ 381.99	\$ 4,448.91	100.0%	
% of Highway Funded	81.8%	6.6%	2.4%	5.7%	2.0%	1.5%	100.0%								
% of TYP Funds	55.4%	4.5%	1.6%	3.8%	1.3%	1.0%		11.5%	3.5%	0.2%	8.5%	8.6%	100.0%		
Revenue ¹⁰	\$2,471.91	\$199.08	\$303.04	\$45.71	\$3,019.74	\$510.75	\$154.40	\$10.50	\$378.23	\$381.99	\$4,455.61				
Surplus/(Deficit)	\$6.70	\$0.00	\$0.00	\$0.00	\$6.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.70				

\$4.4 Billion Transportation Plan - \$248M (9%) increase over current TYP

- Road and Bridge mode – \$ 3.7B (83%) of total plan
- Other modes – \$739M (17%) of total plan
- FHWA category is the large funding source in the TYP
 - 81% of Highway Funded categories
 - 56% of total TYP funding
 - Use prohibited for operations & maintenance

Program Funding Adjustments

Investments based on assumed funding from Senate EPW Plan

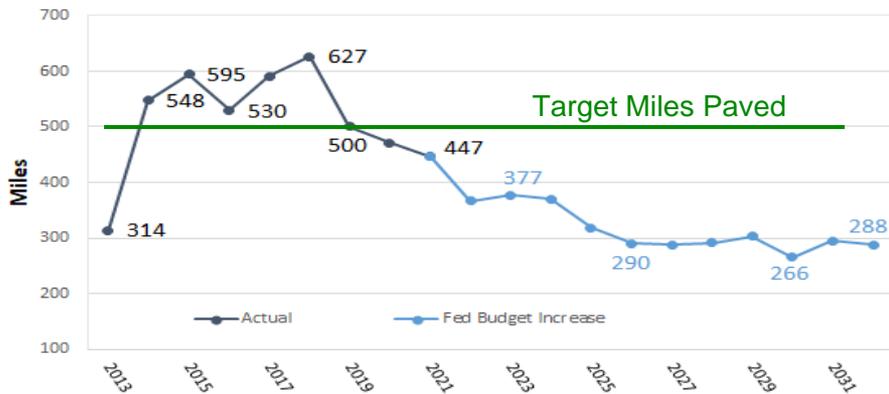
- **Increase Paving Investment by \$164M**
 - Inflated paving programs to account for inflations and added funds to meet target paving targets for miles paved and condition
- **Increase State Bridge Investment \$169M**
 - Inflated bridge programs to account for inflations and added funds to continue our maintenance and preservation programs and accelerate removal of red list bridges
- **Convert GARVEE bonding to federal aid (Net Increase) \$58M**
 - Project Cost (\$163M) - Debt Service (\$105M)
- **Fully Fund Scope Constrained Projects - add \$54M**

Non-Highway sources federal funding adjustments - pending

- **Federal Railroad Administration (FRA)**
- **Federal Transit Administration (FTA)**
- **Federal Aviation Administration (FAA)**

State of the Infrastructure – Road & Bridge Condition Projections

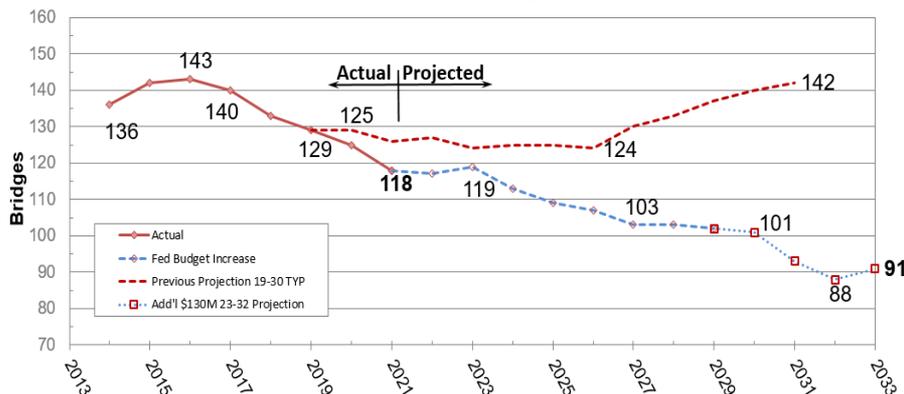
NHDOT Miles of Road Resurfaced



Increase Paving Investment by \$164M

- Overall paving miles decrease through the Draft TYP years (\$88M/yr. Average)
- Conditions for the next 4 years are expected to be 80% good/fair – above average
- Overall conditions in the later years are expected to decline by 30% to 50% good/fair
- Tier 3/4 roads are expected to decline the most with anticipated decreases in state funds

State Red List Bridges



Additional \$169M State Bridge Investment

- Project the number of Red List bridges to be reduced by 27 bridges by 2032 (\$82M/yr. Average)
- 91 red list bridges remain at end of Draft TYP

State of the Infrastructure –

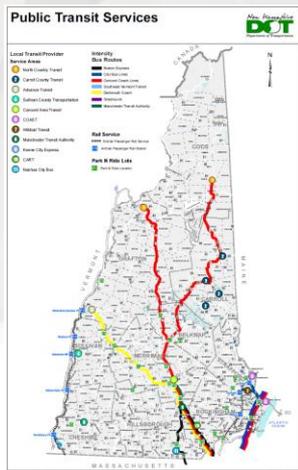
Active Transportation



Continue to enhance active transportation opportunities

- Investment in active transportation components through construction projects
- Investments through mandated federal programs including
 - Transportation Alternatives – *Current 2021 Grant Round*
 - Recreation Trails
 - CMAQ funding

Public Transit

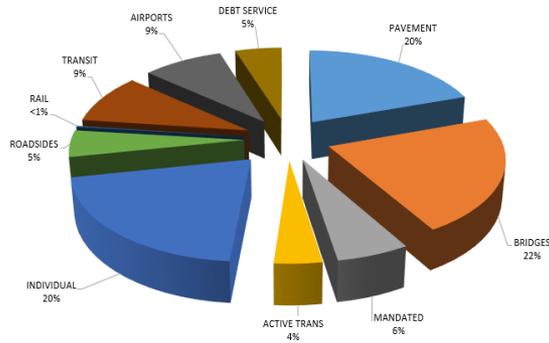


Continue to address transit challenges

- Demand response – Limited services for the elderly and disabled
- Service frequency – Limited in urban areas
- Route coverage – Not enough coverage in rural areas

Book Information – Charts & Graphs

2023-2032 Ten Year Plan Share of Total Dollars of Funding



16-Sep-21

DRAFT 2023 - 2032 Ten Year Plan All Funding

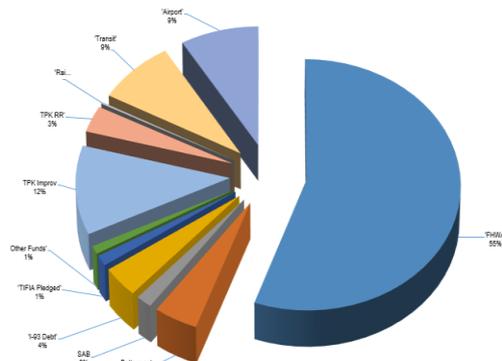
FISCAL YEAR	PAVEMENT	BRIDGES	MANDATED FEDERAL	ACTIVE TRANS	INDIVIDUAL PROJECTS	ROADSIDES	RAIL	TRANSIT	AIRPORTS	DEBT SERVICE	GRAND TOTAL
2023	\$ 89.60	\$ 145.52	\$ 27.73	\$ 20.46	\$ 82.41	\$ 26.71	\$ 0.60	\$ 42.18	\$ 32.14	\$ 19.57	\$ 486.92
2024	\$ 66.04	\$ 100.39	\$ 25.44	\$ 45.77	\$ 90.55	\$ 19.07	\$ 0.60	\$ 38.51	\$ 35.70	\$ 19.27	\$ 441.34
2025	\$ 82.11	\$ 81.10	\$ 25.35	\$ 34.47	\$ 101.45	\$ 19.67	\$ 2.10	\$ 39.23	\$ 13.41	\$ 18.92	\$ 417.81
2026	\$ 71.36	\$ 62.02	\$ 25.23	\$ 20.02	\$ 122.57	\$ 21.56	\$ 0.60	\$ 39.97	\$ 33.02	\$ 23.41	\$ 419.76
2027	\$ 85.37	\$ 71.63	\$ 26.08	\$ 8.84	\$ 112.66	\$ 22.80	\$ 0.60	\$ 40.82	\$ 37.52	\$ 23.41	\$ 429.72
2028	\$ 85.32	\$ 93.65	\$ 25.76	\$ 9.36	\$ 97.21	\$ 22.32	\$ 2.10	\$ 41.48	\$ 25.60	\$ 23.41	\$ 426.20
2029	\$ 100.71	\$ 115.79	\$ 29.12	\$ 9.37	\$ 57.34	\$ 23.06	\$ 0.60	\$ 42.26	\$ 15.53	\$ 23.41	\$ 417.19
2030	\$ 103.17	\$ 118.76	\$ 25.40	\$ 12.88	\$ 58.94	\$ 20.80	\$ 0.60	\$ 43.07	\$ 27.18	\$ 23.41	\$ 434.21
2031	\$ 101.80	\$ 114.16	\$ 26.10	\$ 5.23	\$ 71.28	\$ 23.31	\$ 2.10	\$ 43.79	\$ 25.94	\$ 23.41	\$ 437.11
2032	\$ 90.66	\$ 68.69	\$ 25.07	\$ 5.12	\$ 120.28	\$ 23.87	\$ 0.60	\$ 45.03	\$ 135.94	\$ 23.41	\$ 538.65
TOTAL	\$ 876.14	\$ 971.70	\$ 261.27	\$ 171.52	\$ 914.70	\$ 223.14	\$ 10.50	\$ 416.34	\$ 381.99	\$ 221.60	\$ 4,448.91
% TOTAL	20%	22%	6%	4%	21%	5%	0%	9%	9%	5%	100%

* Dollars include indirect costs and inflation (2.8%)

** Totals adjusted in Individual years to account for estimated bridge work.

16-Sep-21

DRAFT 2023-2032 Ten Year Plan Share of Total Program Dollars by Program



16-Sep-2021

DRAFT 2023-2032 Ten Year Plan Total Program Dollars by FY

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Revenue 10	\$2,471.91	\$199.08		\$303.04		\$45.71	\$3,019.74	\$510.75	\$154.40	\$10.50	\$378.23	\$381.99	\$4,455.61		
Surplus/(Deficit)	\$6.70	\$0.00		\$0.00		\$0.00	\$6.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.70		

Book Information - Projects

1 **ALBANY (29597)**

2 **Route/Road** NH 16

4 **Category** INDIVIDUAL PROJECTS

3 **Scope** SHOULDER WIDENING AND PAVEMENT
RESURFACING TO ENABLE INSTALLATION OF
CENTERLINE RUMBLE STRIPS

5 **Strategy** TIER 2

6 Phase	Year	Funding	Program 7
Construction	2025	892,700	None-Highway
Construction	2026	6,332,894	None-Highway
Construction	2026	324,557	Bridg-T1-2-Main-Pres
Construction	2027	3,409,746	None-Highway

Total	\$10,959,897 8	Previous Funding	\$2,077,900
		Current TYP Funding	\$10,959,897
		Future Funding Required	\$0
		Total Project Cost	\$13,037,797 10

9 **Comments** None

Projects for Discussion/Feedback

- Statewide 40915 - Exit Sign Renumbering project (Tier 1)
- I-95 Portsmouth Sound Walls
- Dover-Rochester-Somersworth 40599 - Spaulding Exit 10 study
- Dixville-Colebrook 40518 - Balsams, Golf Links Road
 - Not included in Draft
- Hudson 42108 – Circumferential Highway
 - Not included in Draft
- Walpole Rockingham 41720 - Vilas Bridge, NH 50% Funded

Please Take Our Online Survey

NHDOT Planning Ahead 2032

1 NHDOT Planning Ahead 2032
Learn a bit about this initiative before you begin.

[WELCOME]

Tell Us What You Think?

The purpose of this survey is to gather information about what is important to you regarding the transportation system in New Hampshire. The survey information will be collected by the NH Department of Transportation (DOT) and shared with NH Executive Councilors and other elected officials during the development of the Department's 10 Year Transportation Plan (2023-2032). **For more detail click on the bullets below.**

→ Next

Every two years NHDOT prepares an update to the Ten Year Plan (TYP) for approval by the NH Legislature & Governor. This involves getting input from many people, including YOU about how New Hampshire will invest in the transportation system. Planning the transportation system requires reliable data to make informed decisions, including data about what is important to you. **Next bullet.**

New Hampshire DOT
Department of Transportation

2 [PRIORITY RANKING]

3 [TRADEOFFS]

4 [STRATEGY RATING]

5 [WRAP UP]



<https://metroquestsurvey.com/a8b5>

Public Comments

Send written comments to:

William E. Watson, P.E. Administrator
Bureau of Planning and Community Assistance
New Hampshire Department of Transportation
7 Hazen Drive P.O. Box 483 Concord, NH 03302-0483

or

bill.watson@dot.nh.gov

Comments should be received no later than
November 8, 2021

Visit this site for additional information

<https://www.nh.gov/dot/org/projectdevelopment/planning/typ/index.htm>

Acronyms

- TYP – Ten Year Plan
- \$B = Billions - \$M = Millions
- EPW – Environmental and Public Works
- T&I - Transportation and Infrastructure
- EV – Electronic Vehicles
- SAB – State Aid Bridge Program
- ARP – American Rescue Plan
- CRRSA - Coronavirus Response and Relief Supplemental Appropriations
- STI – State Transportation Improvement Act of 2021
- COAST - Cooperative Alliance for Seacoast Transportation
- MTA – Manchester Transit Authority
- NTA – Nashua Transit Authority